

Purchasing Receipts

Plex 10/25/2018 4:20 PM *dart.Tollis.Andrew*



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO041406

<b>Supplier:</b>	MES002-VC Metaux Solutions 2625 boul Jacques-Cartier Est Longueuil QC J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044	<b>PO No:</b>	PO041406
		<b>PO Date:</b>	10/22/18
		<b>Due Date:</b>	10/29/18
		<b>Purchase Order Revision:</b>	
		<b>Revision Date:</b>	
		<b>Ship-To Contact:</b>	Lavoie, Chantal Phone: clavoie@dartaero.com
<b>Ship To:</b>	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	<b>Via:</b>	Ground
		<b>Pymt Terms:</b>	Net 60
		<b>Freight Terms:</b>	
		<b>Special Comments:</b>	

E-Purchasing  
ECM 23 2018

## Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M304TS0.750W.049		304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	-	10/29/18	500 ft	✓ 500 ft	500 ft	\$3.80/ft	\$1,900.00
2		M304B0.250x0.500		304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	10/29/18	200 pcs	✓ 200 ft	200 pcs	\$4.0521/pcs	\$810.42
<b>Grand Total:</b>												

Grand Total: \$2,710.42



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## PURCHASE ORDER PO041406

### Order Notes

#### Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

A handwritten signature consisting of the letters "CL" above a stylized oval shape.

Plex 10/22/18 10:35 AM *dart.lavoie.chantal*

## Shipping Order

25/10/2018

METAUX SOLUTIONS INC  
 2625 BOUL JACQUES CARTIER EST  
 LONGUEUIL, QUEBEC  
 J4N 1L7      Tel.: 450 641-3330

*Order* : 139111  
*Reference* : 41406  
*Ship* : PICK UP / PICK UP

*Customer:* 6323336*Ship To*

DART AEROSPACE LTD  
 1270, ABERDEEN STREET  
 HAWKESBURY, ONTARIO  
 K6A 1K7

Same

Tel.: 1 613 632-3336

<i>Item No.</i>	<i>Description</i>	<i>Qty</i>	<i>Qty. Delivei</i>	<i>B/O Qty</i>
SSQT34340494	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 SQ TUBE .750 X .049 WALL 25 x 20' ***** ht;9H855	500	<u>500</u>	<u>0</u>
SF14124HR	304 STAIN FLA .25" X .500" HR 16 x 13' ht;67736108	208	<u>208</u>	<u>0</u>

ship journey collect

jp

*Shipping* : \_\_\_\_\_*Ref.* : \_\_\_\_\_*Package No* : \_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_*Merchandise Received*: \_\_\_\_\_

# Material Certification

ISO 9001:2015  
ISO 14001:2004  
EN 10204/3.1B

KINGMAKER STEEL CO., INC  
133 BELMONT DRIVE  
SOMERSET, NJ 08873  
Tel.: 732-302-1800  
Fax: 732-302-1822  
[www.KingmakerSteel.com](http://www.KingmakerSteel.com)

SOLD TO

SHIP TO



Business-to-Business

Since 1994

Item No.	Description (Form, Size, Finish)	Spec (ASTM)	Grade	Finish	Country of Origin	Heat No.	Chemical Composition (%)							Mechanical Properties								
							C	Si	Mn	P	S	Cr	Nr	Mo	N	Cu	Tensile (N/mm)	Yield (N/mm)	Elongation (%)	HRB	Hardness	Flattening Test
1	SQ. 3/4" X 0.049W X 20' NF -304L	A554-16	304/L	MF	VNM	9H855	.015	.430	1.10	.035	.003	18.21	8.07			698.00	352.00	46.00	89.50			

Specifications: ASTM A554 = Stainless Steel T.I.G. Welded Tubing  
 ASTM A269 = Stainless Steel T.I.G. Welded Tubing  
 ASTM A312 = Stainless Steel T.I.G. Welded Pipe  
 ASTM A240/A240/A240/A240 = Stainless Steel SIE Flat Bars\*

Finish: MF = Mill Finish  
 #/#G = #/# Grit Polished  
 A&P = Annealed and Pickled

Country Code: USA = United States  
 TWN = Taiwan  
 VNM = Vietnam

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A276 AND ASTM A479 - CHEMISTRY ONLY.  
 \*FLAT BARS CONFORM TO ASTM A276 AND ASTM A479 - CHEMISTRY ONLY.

1 of 1

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING  
D

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

ASTM A554 MILL FINISH  
ASTM A269 MILL FINISH  
OR  
FINISH:

PART NUMBER: EG 075" X 075" X 0008 WALL = M301TS0750W.008

WHERE:  
 $\text{AAA} = \text{WIDTH IN INCHES}$   
 $\text{TTT} = \text{WALL THICKNESS IN INCHES}$

WALL WIDTH AAAA

RELEASER  
2014-05-26  
1601

"SEAMLESS" REMOVED FROM PURCHASE MATERIAL		"SEAMLESS" ADDED TO PURCHASE MATERIAL.		REASON SPEC ADDED FOR 1/2" TUBING		DRAWING MOVED TO "S" SIZE BORDER, FINISH ADDN (SEE NCR 08-045 FOR DETAILS).		NEW ISSUE		DESCRIPTION		DART AEROSPACE LTD		HAWKESBURY, ONTARIO, CANADA			
REV.	DESIGN DRAWN	DS	DB	DS	DB	DS	DB	DS	DB	DS	BY	DATE	REV. D	SHEET 1 OF 1	SCALE	NONE	
D	SPECIFICATION (SEE NCR14-3816)		DB		DB		DB		DB			14.05.20					
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A260 ADDED TO FINISH. REASON SPEC ADDED FOR 1/2" TUBING		AJS		AJS		AJS		AJS			09.10.16					
B												08.08.28					
A												01.08.08					

3

1

1

9

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304TS 0.750W.049  
 DATE: 18/10/25

PO / BATCH NO.: P0041406 / S121679

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 500ft  
 QUANTITY INSPECTED: 500ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750"  
 THICKNESS RECEIVED: 0.750"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	Y <u>N</u>	ASTM A554
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	Y <u>N</u>	HT: 9H855
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	
CORRECT M# ON THE MATERIAL	Y <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/10/25</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

<b>BÖLLINGHAUS</b> STEEL Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458		Abrechnungszeugnis/Mill Test Certificate/Certif. de Qualidade EN 10204:2004 / 3.1 Unsere Innere Verwaltung / Our Int. Ref/N ref int 5800038278 000010								Nr.: / Nr.: /Nr.: 0000136628 Datum / Date / Data 19.12.2017					
<b>Spezifikation / Standards / Normas</b> TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 acc. to ASTM A276/A276M-16a, ASTM A182/A182M-16a, ASTM A183/A183M-16, ASTM A179/A179M-16a, ASTM A320/A320M-15a, ASTM A314-15, ASTM A282-15 Pract. E, AMS QQ-S-783D, AMS 5839J, AMS 5847K, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per															
<b>Kunde / Customer / Cliente</b> ....						<b>Endgültiger Kunde / Final Customer / Cliente Final</b>									
Bestell-Nr./Order Nr./Enc.Nr. c110766						Bestell-Nr./Order Nr./Enc.Nr. c110766.1									
<b>Produktgruppe / Product Group / Grupo Produto</b> AISI 304/L FLAT 1/4 X 1/2"						<b>Gewicht / Weight / Peso</b> 1.059 lb			<b>Bünde / Bundle / Atados</b> 01						
<b>Werkstoff-Nr.</b> Material-no. Qualität			<b>Werkstoff-Normbezeichnung / Material standard grade / Norma do material</b> X 2 CrNi 18-9												
<b>Beschreibung / Description / Descrição</b> Stainless steel flat bars, hot rolled, heat treated, straightened and pickled US DFAR 252.225-7009: MELT SOURCE: France / MFG: Portugal.															
Schmelzen-Nr. Cast no./Fusão nr. 67736108		<b>Chemische Analyse in % / Chemical composition in % / Análise química em %</b>													
EAF+AOD		C	0.018	Si	0.525	Mn	1.164	P	0.029	S	0.025	Cr	18.127	Ni	8.045
Proben-Nr. Test no. Amostra no.		<b>ASTM E399</b>		<b>ASTM A370</b>											
4038051.01.01		Kettenschlagarbeit Impact Test Resistência (Charpy V) [J]		Streckgrenze Yield point Tensão limite	Dehngrenze 1% point Límite de extensão	Zugfestigkeit Tensile strength Tensão de tração	Dehnung Elongation Alongamento	Rm		A5	4D	Einschmelzung Reduction of area Coef. Estricção			
				[Ksi]	[Ksi]	[Ksi]		A5	4D	%					
				48	57	83	53.9	56.4		70.1					
Visuelle Kontrolle Visual inspection Inspeção visual		<b>ASTM E10</b> <input checked="" type="checkbox"/> Ok		Härte Hardness Dureza	195	<b>ASTM A262 Practice E</b> <input checked="" type="checkbox"/> Korrosionsbeständigkeit IC Test Corrosão intercristalina	<b>Wärmebehandlung</b> Heiz treatment Tratamento térmico		Annealed Quenched 1900 °F (1050 °C)						
Maßkontrolle Dimensional inspection Inspeção dimensional		<b>ASTM E112</b> <input checked="" type="checkbox"/> Ok		Korngröße Grain size Tamanho de grão	9	Abnahmeverantwortlicher Authorized Inspection Representative Inspector de Qualidade			(water quenched)						
Verwechslungsprüfung Test of Identity Teste de identificação		Mikroskopische Untersuchung Macrographic test <input checked="" type="checkbox"/> Ok		Material free from segregation defects	<input checked="" type="checkbox"/> OK	Vasco Fernand (Ω + VF)									
<b>Bemerkungen / Remarks / Observações</b> Country of origin: Portugal, No weld repair done. Material is free of mercury and radiation contamination.															
Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according the mentioned standards. Confirmamos que este material respeita as especificações do acordo com as normas referidas.															

2020  
09/10

# SPECIFICATION CONTROL DRAWING

**△ PURCHASE MATERIAL:** AISI304/316 SS BAR OR AISI304/316 SS PLATE  
(NOTE: AISI 303 NOT ACCEPTABLE)

**△ SPECIFICATION:**  
ASTM A276 OR ASTM A240

**PART NUMBER:**  
M304B|T,TTT|X|WW,WWW|  
THICK| WIDTH|

WHERE "T,TTT" = THICKNESS IN INCHES  
AND "WW,WWW" = WIDTH IN INCHES

△ EG. 0.5" x 3.0" BAR = M304B0.500X03.000  
△ EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

S E C U R I T Y	
C	ADDED DATE TO PURCHASE MATERIAL ADDED PLATE RELATED TO SPECIFICATIONS AND EG. CHANGED TITLE FROM M304/316 BAR TO M304/316 BAR/PLATE
B	REFORMAT DWG. AND SPECS (ZIN D8-1), REF PAR 08-020A
A	NEW ISSUE
REV	DESCRIPTION BY DATE
<b>DART AEROSPACE LTD</b>	
HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	
REV. C	
SHEET 1 OF 1	
TITLE	
M304B	
DATE	
10.11.25	

2010-11-30  
JW

3

2

1

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT304R0.250 x 0.500  
 DATE: 18/10/25

PO / BATCH NO.: P0041406/S121680

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 208 ft  
 QUANTITY INSPECTED: 208 ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250"  
 THICKNESS RECEIVED: 0.280"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
	Y	N	
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>ASTM A276</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>HT: 67736108</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AJ</u>	SIGNED OFF BY: _____
DATE: <u>18/10/25</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in